

# Polyfort TPP3C20HSBK21BLK

LyondellBasell Industries - Polypropylene Homopolymer

## General Information

### Product Description

Polyfort TPP3C20HSBK21BLK is a Polypropylene Homopolymer Talc, 20% filled material and is typically used in Injection Molding applications.

### General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	4180	psi	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Tensile Elongation (Break)	51	%	ASTM D638
Flexural Modulus (73°F)	329000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.2	ft-lb/in	ASTM D256

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	351 to 430	°F
Middle Temperature	351 to 430	°F
Front Temperature	351 to 430	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Injection Rate	Moderate-Fast	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in